Aug. 1, 1939. R. E. KINNEY 2,167,893

WRIST STRAP NOTE PAD

Filed Aug. 18, 1938

Fig. 1.

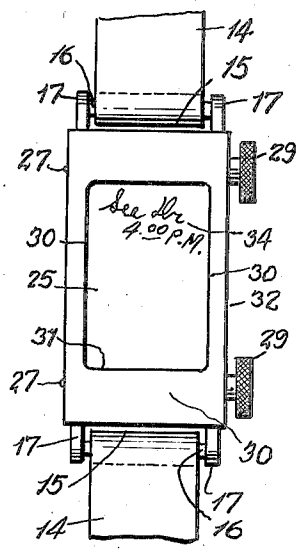


Fig. 2.

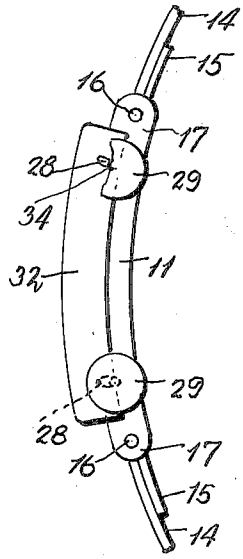


Fig. 3.

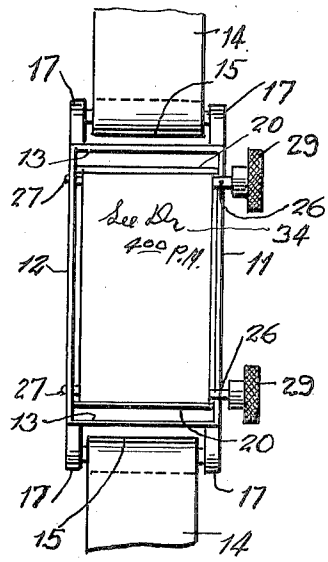


Fig. 4.

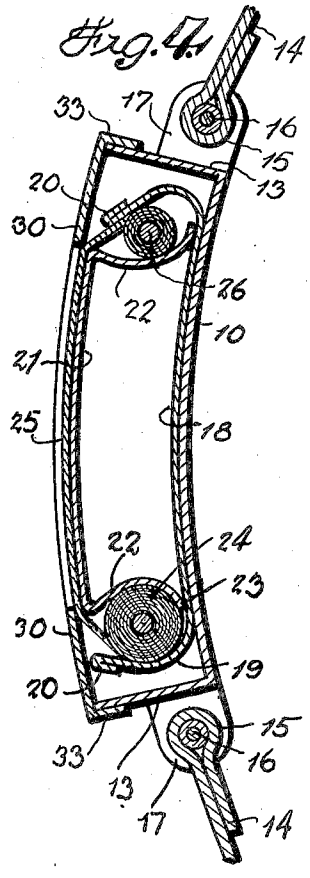


Fig. 5.

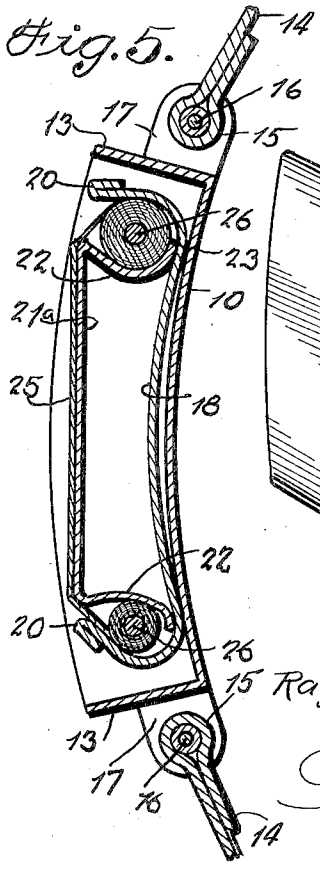
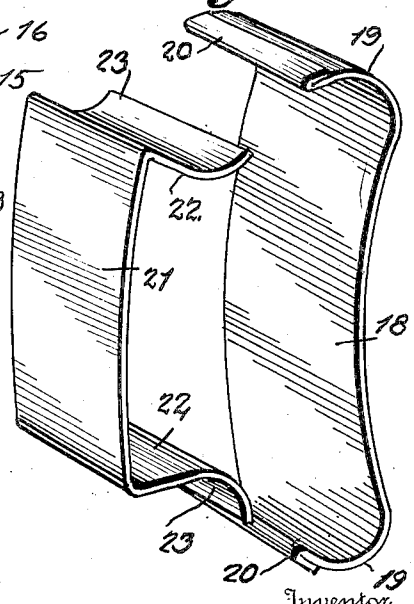


Fig. 6.



Inventor
Raymond E. Kinney.

T. A. Bryant
Attorney.

Patented Aug. 1, 1939 2,167,893

UNITED STATES PATENT OFFICE

2,167,893

WRIST STRAP NOTE PAD

Raymond E. Kinney, Topeka, Kans.

Application August 18, 1938, Serial No. 225,651

4 Claims. (Cl. 281—9)

This invention relates to certain new and useful improvements in wrist strap note pads.

The primary object of the invention is to provide a wrist strap note pad wherein the pad that may be of any size desired is constructed in simulation of a wrist watch and includes a casing, suitably curved to fit the wrist of the user with a wrist strap carried by the casing.

A further object of the invention is to provide a wrist strap note pad of the foregoing character wherein a relatively narrow strip of paper wound upon reels that are manually rotated, includes a tensioning element for the reels and the strip of paper between the reels for maintaining the intervening strip of paper in a substantially taut condition and against accidental movement, both laterally and longitudinally of the casing while writing thereon, the tensioning element being of a construction to permit the use of paper strips of varying weight and especially a very thin paper so that within a relatively small casing, a considerable length of paper strip may be employed.

It is a further object of the invention to provide a wrist strap note pad that may be unobstructively worn without attracting undue notice and upon which pad a relatively long outline for an informal address may be written and later removed and filed for future reference.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing:

Figure 1 is a top plan view of a wrist strap note pad constructed in accordance with the present invention, the ends of the wrist strap being broken away with the strip of paper extending between spools at opposite ends of the casing being exposed through a large central opening in the cover of the casing;

Figure 2 is a side elevational view showing the curvature of the casing to fit the wrist of the user;

Figure 3 is a top plan view, similar to Figure 1, with the cover of the casing removed and showing the knob on each spool for winding the paper strip in either direction through the casing;

Figure 4 is a longitudinal sectional view of the wrist strap note pad in its normal position and shows the writing table or resilient strip over which the paper passes together with a cooperating resilient element for holding the paper spools against accidental rotation;

Figure 5 is a longitudinal sectional view, similar to Figure 4, showing the resilient writing table depressed for expanding the ends of the resilient element associated therewith to facilitate removal of the spools and paper strip from the casing; and

Figure 6 is a perspective view of the two resilient elements with which the two paper spools are associated.

The wrist strap note pad comprises a casing that is preferably rectangular in plan view and while the same may be of any size desired, the same is preferably constructed in simulation of a wrist watch and comprises a casing having an arched bottom wall 10 suitably curved to neatly and snugly fit the wrist of the user, a pair of side walls 11 and 12 and a pair of end walls 13, the casing being open at its upper side and closed by a removable or hinged cover to be presently described. The casing is attached to the wrist of the user by the usual wrist watch strap 14 having end loops 15 that receive the usual tensioned hinge pins 16, common to devices of this character that are removably received at their ends in openings formed in pairs of end projecting lugs 17 as shown in several of the figures.

A pair of cooperating resilient devices is arranged in the casing for the support of a pair of spools of paper and to provide a writing table for a strip of paper extending between the spools and as shown more clearly in Figs. 4 to 6, one of the resilient devices comprises a bottom member in the form of an upwardly arched metal strip 18 having opposite ends thereof rounded upwardly as at 19 terminating in end walls 20 directed towards each other as shown in Figures 4 and 6 in their normal position. The cooperating top member of the resilient devices is formed of a resilient metal strip of less length than the bottom member 18 and includes an upwardly arched central portion 21 constituting a writing table, having end walls 22 disposed at an acute angle to the wall portion 21 and directed towards each other with the lower ends of the end walls 22 curved outwardly as at 23 for nesting reception in the rounded ends 19 of the bottom member wall 18 as shown in Figures 4 and 5 with the curved ends 23 terminating inwardly of the end walls 20 of the bottom member.

A spool of paper is mounted in the casing at each end thereof in a pocket formed by the nested ends 20 and 23 of the resilient plate members 18 and 21, a single strip of paper 25 extending between the two rolls 24 with the opposite ends of the paper strip attached to a core pin 26 of each roll 24, one end of each pin 26 as shown

at 27 in Figures 1 and 3, having a bearing in the side wall 12 of the casing while the other end of each pin 26 is removably received in an edge opening notch 28 in the opposite side wall 11 of the casing and carries upon its projecting end a knurled operating button or head 29. The paper strip 25 is rolled from one roll 24 to the other by means of the knurled pin head 29 and the intervening strip of paper 25 passes over the upwardly arched resilient wall 21 that constitutes a writing table. The rolls of paper 24 are resiliently retained within the casing by the cooperating end walls 20 and 23 of the resilient devices and are effectively retained against displacement or vibratory movements in the casing, said walls 20 keeping the paper 25 tightly wound upon the pins 26.

The cover for the casing comprises a top wall in the form of a frame 30 having a relatively large central opening 31 to expose the paper strip 25 over the table top 21, the frame 30 having side walls 32 received over the side walls 11 and 12 of the casing and end walls 33 received over the end walls 13 of the casing, the end walls of the frame 30 being disposed either directly above the end walls of the arched plate 21 as shown in Figures 4 and 5 with or overlapping the plate 21 for a short distance, the underside of frame 30 having the paper strip 25 moving in contact therewith for cooperation with the wall 21 for placing the paper strip 25 under tension in both lateral and longitudinal directions and assuring proper tracking of the paper strip from one roll 24 to the other roll. When it is desired to remove the paper rolls from the casing for replacement or filing, it is only necessary to lift the cover frame 30 and by pressing downwardly upon the upwardly arched plate 21 for moving the same to the position shown at 21*a* in Figure 5, the end walls 22 of the upper resilient device are moved away from each other, while the curved ends 23 of the plate 21 move the end walls 20 of the bottom resilient device outwardly for freeing the rolls 24. Any notation or data desired, such as indicated by the reference character 34 in Figure 1, may be made upon the paper strip 25.

From the above detailed description of the invention, it is believed that the construction and operation thereof will be at once apparent and while there is herein shown and described the preferred embodiment of the invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

I claim:

1. In a wrist strap note pad, a casing of arched formation to engage the wrist of the user, the casing having bottom, side and end walls, a removable cover having a top wall with a large central opening therein and side and end walls removably mounted on the casing, a pair of cooperating spring devices in the casing including interfitting top and bottom members defining resilient end pockets for spools of paper and a resilient top wall portion beneath the cover opening constituting a writing table and a paper spool resiliently retained in each pocket with the paper strip between the spools extending over the writing table, said writing table adapted to be manually depressed to relieve tension on the rolls whereby the latter may be removed from the casing.

2. In a wrist strap note pad, a casing of arched formation to engage the wrist of the user, the casing having bottom, side and end walls, a hinged cover having a top wall with a large central opening therein and side and end walls removably mounted on the casing, a pair of cooperating spring devices in the casing including interfitting top and bottom members defining resilient end pockets for spools of paper and a resilient top wall portion beneath the cover opening constituting a writing table and a paper spool resiliently retained in each pocket with the paper strip between the spools extending over the writing table, said writing table adapted to be manually depressed to relieve tension on the rolls whereby the latter may be removed from the casing, and said spring devices holding the strip of paper passing over the writing table in engagement with the top wall of the casing at the edge of the central opening therein to maintain the paper strip in a taut condition and against accidental lateral and longitudinal creeping movements.

3. In a wrist strap note pad, a casing of arched formation to engage the wrist of the user, the casing having bottom, side and end walls, a removable cover having a top wall with a large central opening therein and side and end walls removably mounted on the casing, a pair of cooperating spring devices in the casing including interfitting top and bottom members defining resilient end pockets for spools of paper and a resilient top wall portion beneath the cover opening constituting a writing table and a paper spool resiliently retained in each pocket with the paper strip between the spools extending over the writing table, said writing table adapted to be manually depressed to relieve tension on the rolls whereby the latter may be removed from the casing, the end pockets being formed by interfitting curved end portions on the top and bottom members with the ends of the top member terminating in spaced relation to the ends of the bottom member, and the end of the bottom member being movable away from the end of the top member when said top member is depressed.

4. In a wrist strap note pad, a casing of arched formation to engage the wrist of the user, the casing having bottom, side and end walls, a hinged cover having a top wall with a large central opening therein and side and end walls removably mounted on the casing, a pair of cooperating spring devices in the casing including interfitting top and bottom members defining resilient end pockets for spools of paper and a resilient top wall portion beneath the cover opening constituting a writing table and a paper spool resiliently retained in each pocket with the paper strip between the spools extending over the writing table, said writing table adapted to be manually depressed to relieve tension on the rolls whereby the latter may be removed from the casing, and said spring devices holding the strip of paper passing over the writing table in engagement with the top wall of the casing at the edge of the central opening therein to maintain the paper strip in a taut condition and against accidental lateral and longitudinal creeping movements, the end pockets being formed by interfitting curved end portions on the top and bottom members with the ends of the top member terminating in spaced relation to the ends of the bottom member, and the end of the bottom member being movable away from the end of the top member when said top member is depressed.

RAYMOND E. KINNEY.